

Title (en)

Process for manufacturing bristles for brushes of car washing installations, bristles and brushes made using said bristles

Title (de)

Verfahren zum Herstellen von Bürstenfilamenten für Autowaschanlagen, Filamenten und Bürsten aus diesen Filamenten hergestellt

Title (fr)

Procédé de fabrication de poils de brosses de lavage de véhicules, poils ainsi obtenus et brosses réalisées à partir de tels poils

Publication

EP 1584441 A1 20051012 (FR)

Application

EP 05290638 A 20050323

Priority

FR 0403751 A 20040409

Abstract (en)

The brushing strips (3), for an automatic car wash, are of a polyolefin foam with closed cells. The foam material is molded into a block under pressure of ≥ 5000 kpa, to be cut into plates and then into strips. The foam is reticulated chemically, and has a density of $150-200 \text{ kg/m}^3$ and preferably 170 kg/m^3 , with a section of $0.2-1.5 \text{ cm}$ and preferably $0.3-0.6 \text{ cm}$. The strips, of different lengths, are secured to sockets (2) by nylon filaments at plates (1) to give the brush structure.

Abstract (fr)

Procédé de fabrication de poils de brosse en mousse de matière plastique pour le lavage de véhicules, caractérisé en ce qu'il consiste à mouler de la mousse de polyoléfine à cellules fermées dans un moule sous pression, sous la forme d'un bloc qui est ensuite découpé en plaques, puis en lanières, de manière à former des poils de brosse.

IPC 1-7

B29C 44/56; **B29C 67/20**; **B29C 69/00**; **B60S 3/06**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X] FR 2039266 A1 19710115 - BASF AG
- [X] EP 1213984 A1 20020619 - WASHTEC HOLDING GMBH [DE]
- [A] US 5700407 A 19971223 - BRANGER ROBERT MICHAEL [US]
- [A] EP 0876778 A1 19981111 - SOC D ETS ROGER BRILLIE S A [FR]
- [A] US 6289544 B1 20010918 - KIRIKIAN CHRISTIAN A [US]
- [A] US 5946761 A 19990907 - ENNIS G THOMAS [US]
- [A] FR 1581220 A 19690912

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